PAE (10)

P

Purification?
No
Yes

Format:
Solution
Melt
Solid
-powder
-flake
-pellet

P

PAA (20)

P

Purification?
No
Yes

Format:
Solution
Melt
Solid
-powder
-flake
-pellet

P

Combining/
Mixing (30)

Format:
Solution
Melt
Solid powder

Filtration:
Solution filtration
Melt filtration

Mixing:
Compounding and/or Melt blending
-temperature control
-residence time control
-restriction of oxygen
-clean room conditions
Solution mixing
Dry mixing

PAE-PAA
Mixture (40)

P

PAE-PAA
Solution (80)

Isolation (50):
Precipitation
Solvent removal followed by collection
-Isolation/devolatilization
-Pellets
-Other extruded forms

PAE-PAA
Melt (90)

Collection (60):
Pellets
Other extruded forms

P

Clean
PAE-PAA (70)

Collection:
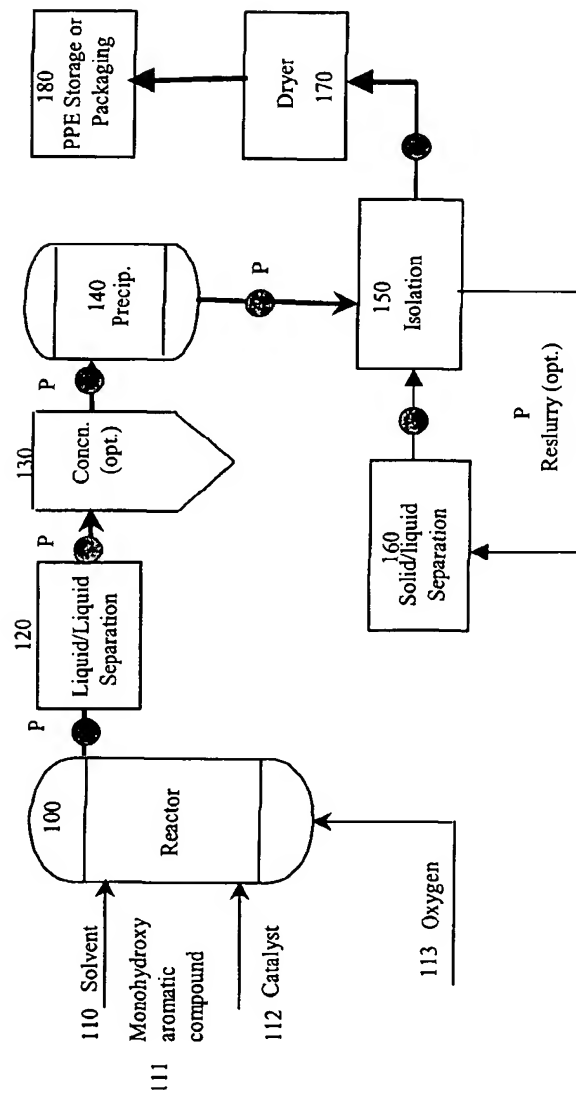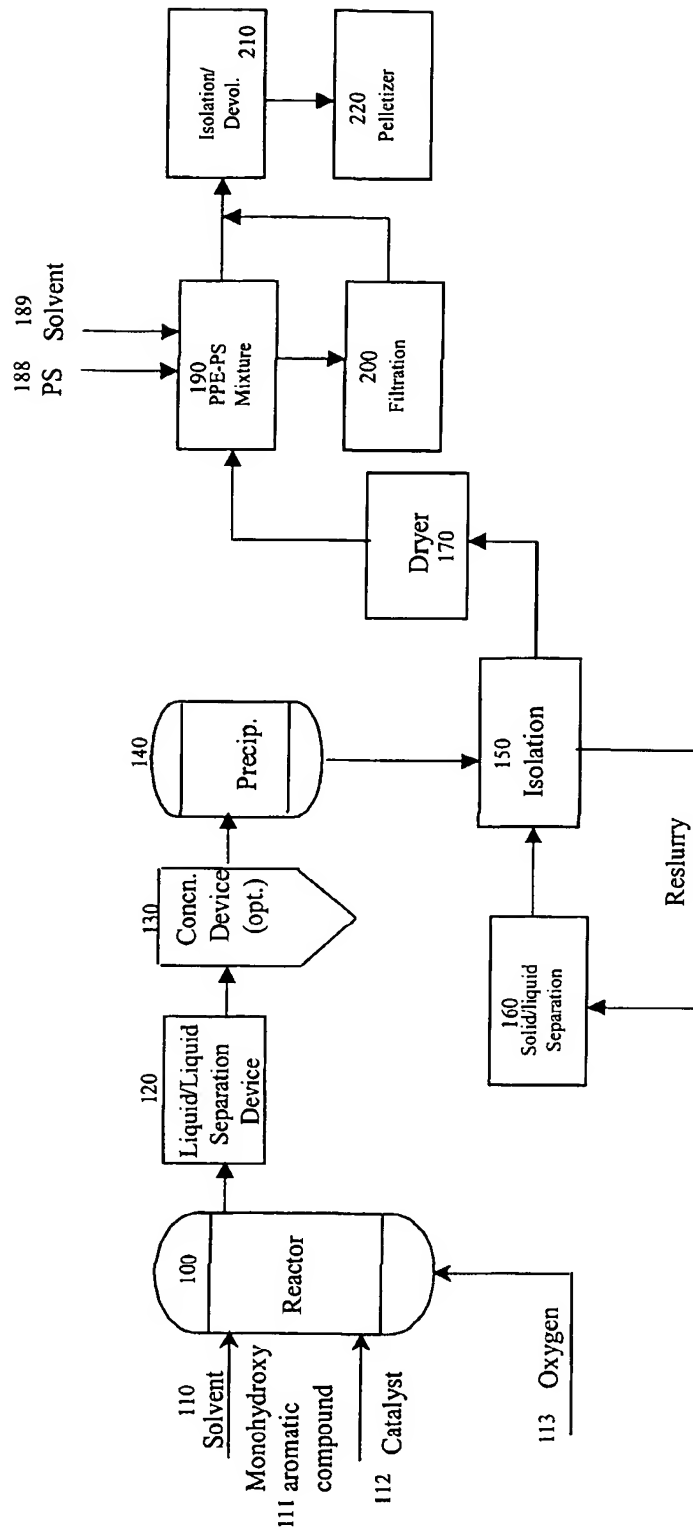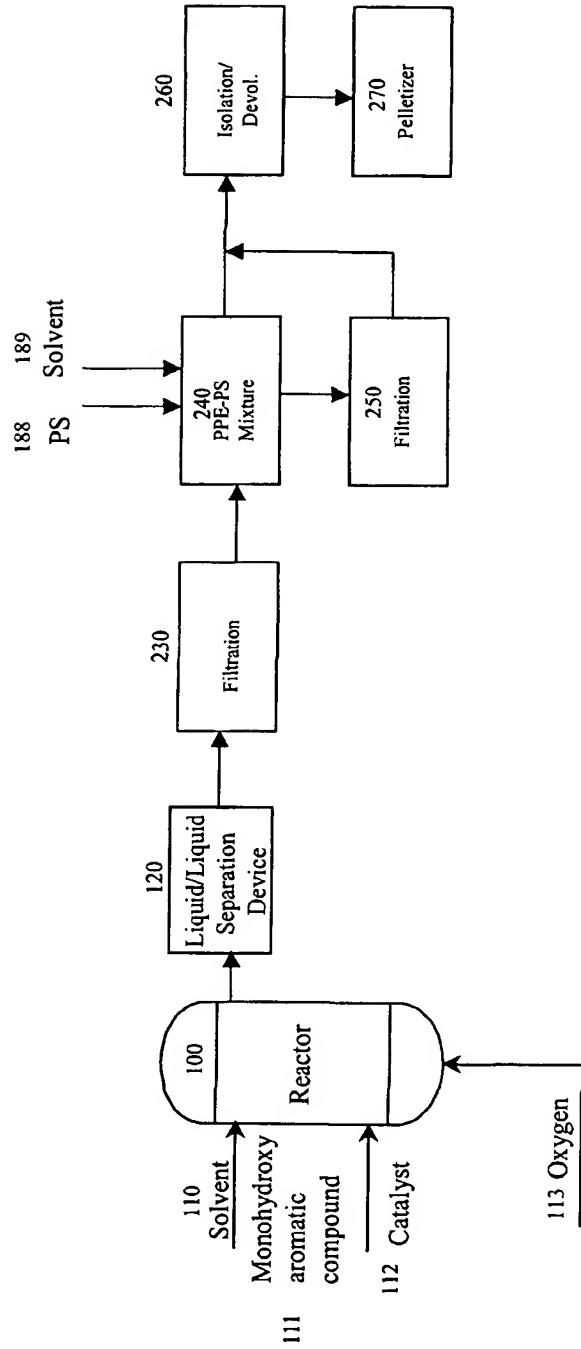Clean room
conditions
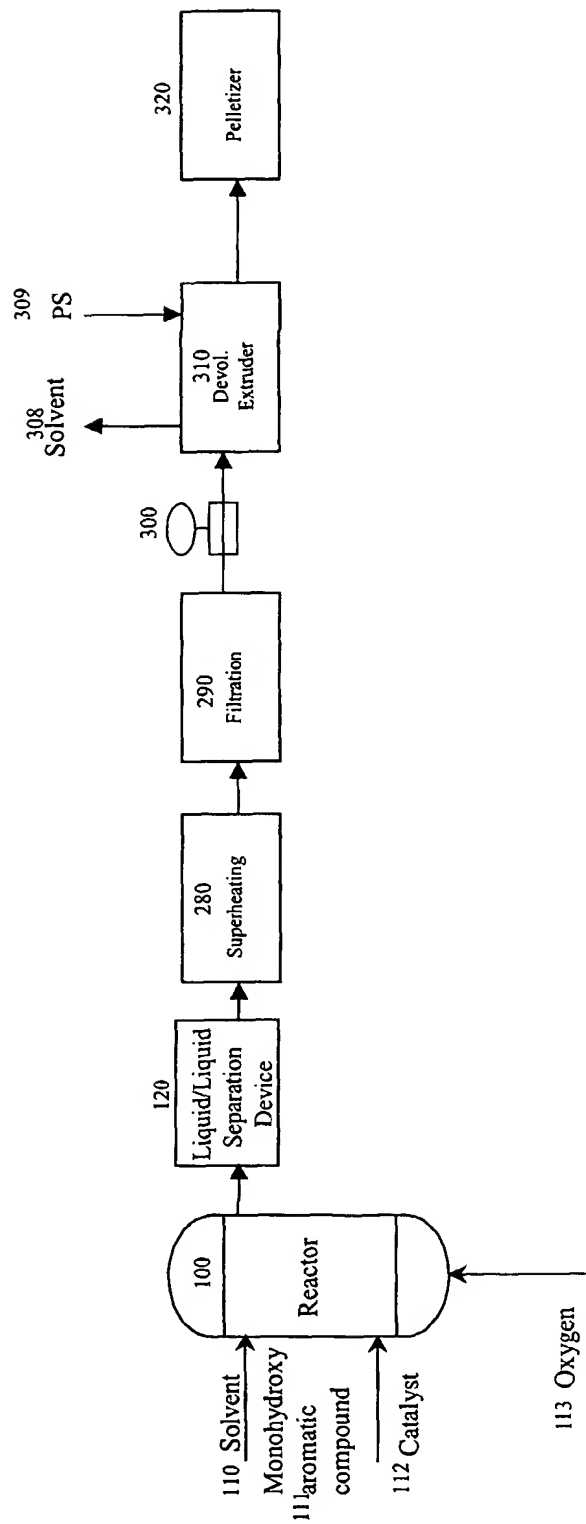Clean containers
-bulk bag
containers
-silos

P

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

FIG. 6